

ABSTRACT

Internet of Things (IoT) is a concept related to data communication systems where communication is connected through a device with a gateway so that the data obtained can be accessed via the internet. In the IOT telecommunication industry, it is very important that it is applied to the IOT architecture where telecommunications equipment is placed at a number of different points where the data communication system on the IOT can make it easier for companies to supervise or monitor the devices they have. In the IoT (Internet of Things) division, PT. Telkom Indonesia, South Jakarta has facilities in the form of NOC (Network Operating Center) where in this sub-section works a monitoring process whose function is to supervise several project sites located in a number of areas, including Smart PJU, Smart Matering and Sierad Gateway, with the existence of these NOCs. PIC can know specifically the condition of the project site in the field if an error is found, it can be notified or a report is made so that the technician at the project site can fix the disturbance directly. In addition, with the concept of the Internet of Things, the writer can develop a tool project based on Arduino Uno. The project that has been made by the author this time is to design a simple tool using a non-contact temperature sensor based on the Arduino Uno as a microcontroller and integrated through the Antares platform where this simple project is expected to be a learning material for writers and can be implemented for the needs of any field

Keywords : IoT, Monitoring Gateway, Temperature Sensor non-contact